

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	188	239/522.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/16 13:42
S2	35	239/477.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/06 15:17
S3	230	239/489.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/06 15:23
S4	172	239/472.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/06 15:34
S5	362	239/468.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/06 15:43
S6	144	239/466.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/06 15:46
S7	344	239/463.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/06 15:56
S8	300	239/461.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/06 16:01
S9	160	239/754.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/06 15:56
S10	232	239/589.1.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/07 08:27

## EAST Search History

S11	32	239/595.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/07 08:31
S12	99	137/808.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/07 08:40
S13	161	137/810.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/07 08:43
S14	110	137/813.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/07 08:46
S15	294	137/833.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/07 08:46
S16	793	15/302.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/08 14:41
S17	221	15/306.1.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/08 14:51
S18	448	15/309.1.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/08 15:27
S19	619	15/345.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/08 15:28
S20	51054	"134".clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/14 15:17

## EAST Search History

S21	1595543	(vacuum or suction)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/14 15:17
S22	544095	spray	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/14 15:17
S23	2586	S20 and S21 and S22	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/14 15:18
S24	74148	non\$contact	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/14 15:18
S25	36	S23 and S24	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/14 15:21
S26	449	15/309.1.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/14 15:21
S27	619	15/345.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/14 15:21
S28	8051864	S27 and S26 and s "16"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/14 15:21
S29	793	15/302.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/14 15:21
S30	6	S27 and S26 and S29	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/14 15:22

## EAST Search History

S31	35	S27 and S26	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/14 15:22
S32	0	lamb adj research.as.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/16 13:43
S33	1033	lam adj research.as.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/16 13:43
S34	191	S33 and spray\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/16 13:47
S35	1175474	vacuum	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/16 13:47
S36	76	S34 and S35	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/16 13:49
S37	47415	ibm.as.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/16 13:50
S38	548	S37 and S35	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/16 13:50
S39	10	S38 and spray\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/16 13:50
S40	34	("2022593"   "2082411"   "2956301"   "3078496"   "3239863"   "3365359"   "3688527"   "3775806"   "4003226"   "4454621"   "4594748"   "4715078"   "4835808"   "4906333"   "5304254"   "5313685"   "5381580"   "5457847"   "5466298"   "5490300"   "5577294").PN. OR ("5800679").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/14 08:42

## EAST Search History

S41	19	("1211948"   "3273193"   "3484890"   "3747155"   "3774262"   "3940826"   "3964925"   "4333205"   "4595420"   "4884315"   "5208940"   "5289610"   "5457848"   "5553347"   "6173473").PN. OR ("6449799").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/14 08:43
S42	188	239/522.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/14 09:09
S43	35	239/477.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/14 09:09
S44	232	239/489.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/14 09:09
S45	173	239/472.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/14 09:09
S46	363	239/468.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/14 09:09
S47	146	239/466.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/14 09:09
S48	355	239/463.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/14 09:09
S49	167	239/754.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/14 09:10
S50	308	239/461.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/14 09:10

## EAST Search History

S51	235	239/589.1.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/14 09:10
S52	34	239/595.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/14 09:10
S53	102	137/808.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/14 09:10
S54	162	137/810.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/14 09:10
S55	111	137/813.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/14 09:11
S56	301	137/833.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/14 09:15
S57	223	15/306.1.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/14 09:11
S58	452	15/309.1.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/14 09:11
S59	623	15/345.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/14 09:11